

Diode Unit

MAXIMUM RATINGS (Design-Center Values)

Peak Inverse Plate Voltage	430	volts
Peak Plate Current	180	mA
Average Plate Current	45	mA

6BZ3

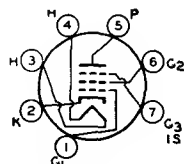
Refer to type 6BE3.

6BZ6

3BZ6, 4BZ6, 12BZ6

SEMIREMOTE-CUTOFF
PENTODE

Miniature type used in gain-controlled video if stages of color and black-and-white television receivers. Outlines section, 5C; requires miniature 7-contact socket. Types 3BZ6, 4BZ6, and 12BZ6 are identical with type 6BZ6 except for heater ratings.



7CM

	3BZ6	4BZ6	6BZ6	12BZ6	
Heater Voltage (ac/dc)	3.15	4.2	6.3	12.6	volts
Heater Current	0.6	0.45	0.3	0.15	ampere
Heater Warm-up Time (Average)	11	11	—	—	seconds
Heater-Cathode Voltage:					
Peak value	±200 max	±200 max	±200 max	±200 max	volts
Average value	100 max	100 max	100 max	100 max	volts
Direct Interelectrode Capacitances:			Unshielded	Shielded	
Grid No.1 to Plate			0.025 max	0.015 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield			7	7	pF
Plate to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield			2	3	pF

▲ With external shield connected to cathode.

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

Plate Voltage	330	volts
Grid No.3 (Suppressor-Grid) Voltage, Positive value	0	volts
Grid-No.2 (Screen-Grid) Supply Voltage	330	volts
Grid-No.2 Voltage	See curve page 98	
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0	volts
Plate Dissipation	2.3	watts
Grid-No.2 Input:		
For grid-No.2 voltages up to 165 volts	0.55	watt
For grid-No.2 voltages between 165 and 330 volts	See curve page 98	

CHARACTERISTICS

Plate Supply Voltage	125	volts
Grid No.3	Connected to cathode at socket	
Grid-No.2 Supply Voltage	125	volts
Cathode-Bias Resistor	56	ohms
Plate Resistance (Approx.)	0.26	megohm
Transconductance	8000	μmhos
Plate Current	14	mA
Grid-No.2 Current	3.6	mA
Grid-No.1 Voltage (Approx.) for transconductance of 50 μmhos	-19	volts
Grid-No.1 Voltage (Approx.) for transconductance of 700 μmhos	-4.5	volts

